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COLO. OIL & GAS COMM.

WEBB RESOURCES, INC.

#13-1 Flader

SW NE NE Sec. 13

Township 3 South, Range 65 West

Adams County, Colorado

GEOLOGICAL REPORT

E. Bud Hines
Geologist
351 So. Pennsylvania
Denver, Colorado 80209

May, 1975

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OPERATOR: Webb Resources, Inc.

WELL NAME: No. 13-1 Flader GOLD. C. P. & S. COMM.

LOCATION: SW NE NE Section 13-T3S-R65W
Adams County, Colorado

TYPE TEST: Field Well in Drohan Field

ELEVATION: 5435' G.L.

SURFACE CASING: Ran 6 jts., 8-5/8", 20#, K-55 ST & C casing.
(203.68'). Cemented at 214' KB with 200
sacks regular with 2.4% C.C. Plug down
at 1:15 A.M. 4/23/75. Good returns.

SPUD DATE: April 22, 1975

CEASED DRILLING: May 7, 1975

CONTRACTOR: Webb drilled with Rig W-10
Wendell Tekell, Toolpusher
Mssrs. Tosh Krog, Edward Pilcher, Charles
Greenwood, and Cole Thomas drillers.

CORES: None

DRILL STEM TEST: DST #1: 8336'-62', recovered: 1660' very
slightly gas cut mud. Open 15 min., shut-
in 30 min., open 45 min., shut-in 60 min.

TOTAL DEPTH: Loggers - 8512' Drillers - 8505'

LOGS: Dresser Atlas (IES & Density)

LOG ANALYSIS: See attachment.

FINAL DISPOSTION: Plugged and Abandoned.

DRILL TIME PLOT: See Attachment.

File

BIT & DEVIATION RECORD

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>DEPTH OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>	<u>DEVIATION</u>
1	7 7/8	Sec	S3J	1932'	1707'	10 3/4	
2	7 7/8	Smith	DT	3437'	1506'	15 1/2	
3	7 7/8	Smith	DT	4637'	1200'	14	1 °
4	7 7/8	Smith	DT	5365'	728'	11	1 °
5	7 7/8	Smith	DT	5819'	454'	10 1/2	1 1/4°
6	7 7/8	Smith	DT	6321'	502'	13	1 1/2°
7	7 7/8	Smith	DT	6762'	441'	13	1/-
8	7 7/8	Smith	DTJ	7237'	475'	15 1/2	3/4°
9	7 7/8	Smith	DTJ	7661'	424'	11 1/2	1/4°
10	7 7/8	Sec	S4T	7824'	163'	8 3/4	1/4°
11	7 7/8	Sec	M4NG	8032'	208'	14	1/2°
12	7 7/8	Sec	M4NG	8178'	146'	14 1/4	1/2°
13	7 7/8	Reed	42IGJ	8193'	15'	3	1/4°
14	7 7/8	Smith	F-5	8352'	159'	27 1/2	3/4°
15	7 7/8	Sec	H7S-G	8365'	13'	3 3/4	1/2°
16	7 7/8	Smith	F-5 (RE)	T.D.			

COLL. FOR A.C.S. COMM. COMM.

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GOLD. OIL & GAS CONS. COMM.

5-08-75

8508' reached Total Depth at 1:40 P.M. yesterday.
Logged last night. Made short trip to 900'
to dislodge bridge between log run 1 & 2. A-
waiting orders.

5-09-75

8505' total depth. Plugged and abandoned. DST
yesterday 8336-8362'. Recovered only mud.

FORMATION TOPS

<u>STRATA</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Fox Hills	1530'	
Sussex	5135'	
Niobrara	7385'	
Timpass	7730'	
Greenhorn	7838'	
"D" Sand	8140'	- 2692'
"J" Sand	8190'	- 2642'
Total Depth	8505'	(Drillers)
Total Depth	8512'	(Loggers)



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GOLO. CH. & C. S. COMM.

SAMPLE DESCRIPTIONS

Note: Samples were a large part
cavings throughout.

7975-7985	Shale, and trace of silt - soft and gray.
7985-7995	As above, and pyritic, and traces limestone.
7995-8005	Shale, gray and soft, with trace siltstone.
8005-8020	As above.
8020-8030	As above.
8030-8040	Shale, gray, firm, pyritic, with siltstone, gray and sandy, with frac fill splintery calcite.
8040-8050	Shale, and siltstone, gray with some loose sand, good assortment, and angular.
8050-8060	As above.
8060-8070	As above, with bentonite.
8070-8080	Much loose sand, with silt and shale, pyritic - no shows.
8080-8090	As above.
8090-8100	As above.
8100-8110	As above.
8110-8120	Shale, and siltstone, gray with some loose sand - poorly sorted, and sub angular.
8120-8130	As above, and pyritic.
8130-8140	As above.

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GOLD. CO. & CAS CONS. COMM.

WELL HISTORY

4-23-75 225' WOC. Spudded at 7:00 P.M. 4/22/75. Ran 6 joints, 8-5/8", 20#, K-55 ST & C casing. (203.68') Cemented at 214' KB with 200 sacks regular with 2.4% C.C. Plug down at 1:15 A.M. 4/23/75. Good Returns.

4-24-75 1931' Rig repair (swivel).

4-25-75 Tripping at 3437'.

4-26-75 Drilling at 4800'.

4-27-75 Drilling at 5729'.

4-28-75 Drilling at 6270'.

4-29-75 Tripping at 6794'.

4-30-75 Drilling at 7250'.

5-01-75 Drilling at 7264'. Rig repair. (chain)

5-02-75 Drilling at 7951'.

5-03-75 Drilling at 8165'.

5-04-75 8193' repairing hydromatic. Broke while tripping in with F5. Tripped out yesterday at 10:00 A.M. at 8175'. Hydromatic repair delay. Drilled only 15' until 10:20 P.M. last night tripped out again.

5-05-75 Drilling at 8284' with button bit. (F-5) Got on bottom 3:00 P.M. yesterday.

5-06-75 Tripping at 8365' after making only 13'. Round tripped last night, changed bits though F-5 is still O.K.

5-07-75 Drilling at 8466' with re-run F-5.

File

- 8140-8150 As above, with traces siltstone, sandy, hard and angular, with dull fluorescence leaving grease ring.
- 8150-8160 Sandstone streaks, very fine, angular, and silty, with spots very dull fluorescence and grease ring, with siltstone, and shale, and loose sand, as above.
- 8160-8170 Traces sandstone, as above, with siltstone etc., as above, shows as above.
- 8170-8180 Shale and siltstone, trace sandy, gray and firm, traces frac fill.
- 8180-8190 Shale, dark gray, firm, traces siltstone siliceous.
- 8190-8200 As above, with stringers very hard, sharp and siliceous (glassy), no shows.
- 8200-8210 Siltstone, gray and sandy (loose) with shale gray and hard with stringers sandstone, hard, sharp, and glassy. No Shows.
- 8210-8220 Sandstone, light gray, very fine to fine, sub angular to sub rounded, fairly well sorted but clay filled in spots with dull fluorescence and grease ring, interbedded with siltstone and shale, as above.
- 8220-8230 Sandstone, showing as above, continuing with siltstone, and shale, as above.
- 8230-8240 Traces sandstone, showing as above, with sandstone medium to coarse with shale grains, and clay filled, and no shows, with siltstone, and hard pyritic shale, as above.
- 8240-8250 Shale and siltstone, sandy (loose), with some sandstone, as above - i.e. very fine - fine with fluorescence, etc.
- 8250-8260 Siltstone, sandy (loose) with sandstone, fine to medium, silty, subrounded to round, light gray, with black specks and no shows.

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8260-8270 Siltstone, sandy, sandstone - silty with shale, pyritic - no shows.

8270-8280 As above, no shows.

8280-8290 Siltstone, gray and hard, and sandy (loose) interbedded with shale, pyritic and fractured with traces of sandstone, hard and gray, angular to sub, fine to medium, with very slight and dull fluorescence and grease ring.

8290-8300 As above.

8300-8310 Shale, mostly with some siltstone, as above.

8310-8320 Siltstone, as above, and sandstone, fine to medium, subrounded, fair sorting with some clay and very dull fluorescence.

8320-8330 Sandstone, siltstone, gray speckled, very hard, and glassy in part. No shows.

8330-8340 Siltstone, sandstone, very hard and glassy. No Shows.

8340-8350 Sandstone, firm to friable, light gray, fine to medium, sub angular to angular, fair sorting. No Shows.

8250-8360 Sandstone, as above, becoming hard and blocky, with few blocks showing spotted staining and spotted dull to fair fluorescence with good cut.

8360-8365 Circulation Sample: Sandstone, fine to medium, angular to sub, light gray, very siliceous hard and blocky. No Shows.

8365-8270 Sandstone, as above, with predominantly siltstone and shale, hard, pyritic, and fractured.

8270-8280 Shale, pyritic, and hard, with siltstone, gray and hard, interbedded with some sandstone, as above.

8380-8390 As above.

File

- 8390-8400 Silstone, sandy and hard, with sandstone, as above. No Shows.
- 8400-8410 Sandstone, light gray, friable to well cemented and hard, fine to medium, tight where siliceous with siltstone, sandy.
- 8410-8420 Siltstone, gray, siliceous, and sandy, with shale, pyritic, and traces sandstone, as above.
- 8420-8430 Shale, and silstone, interbedded where sandstone white, medium, sub round, friable and porous, no shows.
- 8430-8440 Shale, pyritic, and firm with siltstone, brindle, traces tan mudstone, and traces sandstone, as above.
- 8440-8450 As above.
- 8450-8460 Sandstone, fine to medium, friable to hard, interbedded with siltstone, brindle and hard with shale, pyritic - traces tan dolomitic mudstone, trace brick-red mudstone.
- 8460-8470 Sandstone, fine to medium, sub angular to sub rounded, friable to firm, fair sorting, with siltstone, chalky and white, and sandy, and soft, with shale pyritic. No Shows.
- 8470-8480 As above, with mostly shale and some tan dolomitic mudstone. No Shows.
- 8480-8490 Sandstone, as above, with siltstone, as above, with shale various including some yellow and green waxy.
- 8490-8500 As above.
- 8500-8505 Sandstone, as above, interbedded with siltstone, chalky white.

